

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	"5948192".pn.	USPAT	OR	OFF	2009/10/21 15:57
S2	1	"5011732".pn.	USPAT	OR	OFF	2009/10/21 15:58
S3	1	"7359605".pn.	USPAT	OR	OFF	2009/10/21 15:59
S4	842	136/246-248.ccls.	USPAT	OR	OFF	2009/10/21 16:25
S5	3037	136/243-248.ccls.	US-PGPUB; USPAT	OR	OFF	2009/10/21 16:25
S6	11	S5 and housing and coolant and thermal adj conductivity	US-PGPUB; USPAT	OR	OFF	2009/10/21 16:26
S7	2	S5 and housing and coolant same (rod or bead or bar or ball)	US-PGPUB; USPAT	OR	OFF	2009/10/21 16:28
S8	14	((JOHN) near2 (LASICH)).INV.	US-PGPUB; USPAT	OR	OFF	2009/10/26 10:11
S9	3043	136/243-248.ccls.	US-PGPUB; USPAT	OR	OFF	2009/10/26 10:16
S11	0	S9 and metal adj (bead or rod or bar or ball) same2 coolant	USPAT	OR	ON	2009/10/26 10:16
S13	10	S9 and (bead or rod or bar or ball) same2 coolant	USPAT	OR	ON	2009/10/26 10:17
S14	22	S9 and (bead or rod or bar or ball) same2 coolant	US-PGPUB; USPAT	OR	ON	2009/10/26 10:17
S15	14	((JOHN) near2 (LASICH)).INV.	US-PGPUB; USPAT	OR	OFF	2009/10/26 10:18
S16	23	S9 and heat adj transfer same coolant	US-PGPUB; USPAT	OR	ON	2009/10/26 10:20
S17	1	"4047518".pn.	US-PGPUB; USPAT	OR	ON	2009/10/26 11:22
S18	1	"5,044,939".pn.	US-PGPUB; USPAT	OR	ON	2009/10/26 11:27

S19	0	"136".clas. and sinter near5 bead	US-PGPUB; USPAT	OR	ON	2009/10/26 11:31
S20	1	"136".clas. and sinter same bead	US-PGPUB; USPAT	OR	ON	2009/10/26 11:31
S21	128	S9 and coolant	US-PGPUB; USPAT	OR	ON	2009/10/26 11:32
S23	1	"5520747".pn.	USPAT	OR	OFF	2009/10/26 12:00
S24	1	"4491681".pn.	US-PGPUB; USPAT	OR	OFF	2009/10/26 16:54
S25	23934	heat adj transfer near10 (bead or rod or bar) and solar or photovoltaic	US-PGPUB; USPAT	OR	ON	2009/10/26 17:01
S26	399	heat adj transfer near10 (bead or rod or bar) and (solar or photovoltaic)	US-PGPUB; USPAT	OR	ON	2009/10/26 17:01
S27	33	heat adj transfer near10 (bead or rod or bar) and (solar adj cell or photovoltaic)	US-PGPUB; USPAT	OR	ON	2009/10/26 17:02
S28	1237	(solar adj cell or photovoltaic) and coolant	US-PGPUB; USPAT	OR	ON	2009/10/26 17:05
S29	416	S28 and heat adj transfer	US-PGPUB; USPAT	OR	ON	2009/10/26 17:05
S30	9	S28 and (heat adj transfer) same bead	US-PGPUB; USPAT	OR	ON	2009/10/26 17:05
S31	35	S28 and (heat adj transfer) near5 element	US-PGPUB; USPAT	OR	ON	2009/10/26 17:06
S32	3043	136/243-248.ccls.	US-PGPUB; USPAT	OR	OFF	2009/10/26 17:14
S33	0	S32 and porous same coolant	USPAT	OR	OFF	2009/10/26 17:14
S34	21	S32 and porous same (coolant or water)	USPAT	OR	OFF	2009/10/26 17:14
S35	1	"4126178".pn.	US-PGPUB; USPAT	OR	OFF	2009/10/26 17:25
S36	3	S32 and sintered near5 body	US-PGPUB; USPAT	OR	OFF	2009/10/26 17:26
S37	8	S32 and filter same coolant	US-PGPUB; USPAT	OR	OFF	2009/10/26 17:31
S38	1	S32 and sinter\$4 same coolant	US-PGPUB; USPAT	OR	OFF	2009/10/26 17:32

S39	1	"5,117,482".pn.	US-PGPUB; USPAT	OR	OFF	2009/10/26 17:33
S40	0	("3,356,539.pn.").PN.	US-PGPUB; USPAT	OR	OFF	2009/10/26 17:35
S41	0	("3,356,539.pn.").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/26 17:35
S42	2	("3356539").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/26 17:36
S43	3164	136/243-248.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/26 17:38
S44	180	S43 and sinter\$3	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/26 17:38
S45	639	porous near5 conductive near5 body	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/26 17:46
S46	38	S45 and solar	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/26 17:46
S47	14	S46 and sinter\$3	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/26 17:47
S48	44261	conductive near5 body	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/26 17:48
S49	2313	S48 same (porous of sinter\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/26 17:48
S50	2313	S48 same (porous or sinter\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/26 17:48
S51	16	S50 and solar adj cell	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/26 17:49
S52	548	S50 and (fluid or coolant)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/26 17:49
S53	13	S52 and solar	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/26 17:49
S54	1	"4239557".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/26 18:22

S55	3058	136/243-248.ccls.	US-PGPUB; USPAT	OR	OFF	2009/11/03 15:11
S56	1	S55 and coolant and baffle	USPAT	OR	OFF	2009/11/03 15:11
S57	3	S55 and coolant and baffle	US-PGPUB; USPAT	OR	OFF	2009/11/03 15:12
S58	75	"136".clas. and (coolant or water) and baffle	US-PGPUB; USPAT	OR	ON	2009/11/03 15:13
S59	238	"136".clas. and heat adj exchang\$4 same (ball or element or rod)	US-PGPUB; USPAT	OR	ON	2009/11/03 15:19
S60	3081	136/243-248.ccls.	US-PGPUB; USPAT	OR	OFF	2009/11/18 15:04
S61	48	S60 and housing and coolant	US-PGPUB; USPAT	OR	OFF	2009/11/18 15:04
S62	1	"20070089775".pn.	US-PGPUB; USPAT	OR	OFF	2009/11/18 16:16
S63	76253	heat adj transfer same (fluid or water or coolant or liquid)	US-PGPUB; USPAT	OR	OFF	2009/11/18 16:24
S64	431	S63 and sinter\$3 near10 (rod bead ball element bar)	US-PGPUB; USPAT	OR	ON	2009/11/18 16:25
S65	23	S64 and packing adj density	US-PGPUB; USPAT	OR	ON	2009/11/18 16:25
S66	0	S64 and S62 near5 mm	US-PGPUB; USPAT	OR	ON	2009/11/18 16:25
S67	192	S64 and heat adj exchang\$3	US-PGPUB; USPAT	OR	ON	2009/11/18 16:29
S68	1	"3836689".pn.	USPAT	OR	OFF	2009/11/18 17:24
S69	39	constant adj surface adj level	USPAT	OR	OFF	2009/11/18 17:25
S70	1	"5948192".pn.	USPAT	OR	OFF	2010/07/28 11:25
S71	1	"5011732".pn.	USPAT	OR	OFF	2010/07/28 11:25
S72	1	"7359605".pn.	USPAT	OR	OFF	2010/07/28 11:25
S73	868	136/246-248.ccls.	USPAT	OR	OFF	2010/07/28 11:25
S74	3517	136/243-248.ccls.	US-PGPUB; USPAT	OR	OFF	2010/07/28 11:25

S75	12	S74 and housing and coolant and thermal adj conductivity	US-PGPUB; USPAT	OR	OFF	2010/07/28 11:25
S76	2	S74 and housing and coolant same (rod or bead or bar or ball)	US-PGPUB; USPAT	OR	OFF	2010/07/28 11:25
S77	14	((JOHN) near2 (LASICH)).INV.	US-PGPUB; USPAT	OR	OFF	2010/07/28 11:25
S78	3517	136/243-248.ccls.	US-PGPUB; USPAT	OR	OFF	2010/07/28 11:25
S79	0	S78 and metal adj (bead or rod or bar or ball) same2 coolant	USPAT	OR	ON	2010/07/28 11:25
S80	11	S78 and (bead or rod or bar or ball) same2 coolant	USPAT	OR	ON	2010/07/28 11:25
S81	26	S78 and (bead or rod or bar or ball) same2 coolant	US-PGPUB; USPAT	OR	ON	2010/07/28 11:25
S82	14	((JOHN) near2 (LASICH)).INV.	US-PGPUB; USPAT	OR	OFF	2010/07/28 11:25
S83	33	S78 and heat adj transfer same coolant	US-PGPUB; USPAT	OR	ON	2010/07/28 11:25
S84	1	"4047518".pn.	US-PGPUB; USPAT	OR	ON	2010/07/28 11:25
S85	1	"5,044,939".pn.	US-PGPUB; USPAT	OR	ON	2010/07/28 11:25
S86	0	"136".clas. and sinter near5 bead	US-PGPUB; USPAT	OR	ON	2010/07/28 11:25
S87	1	"136".clas. and sinter same bead	US-PGPUB; USPAT	OR	ON	2010/07/28 11:25
S88	153	S78 and coolant	US-PGPUB; USPAT	OR	ON	2010/07/28 11:25
S89	1	"5520747".pn.	USPAT	OR	OFF	2010/07/28 11:25
S90	1	"4491681".pn.	US-PGPUB; USPAT	OR	OFF	2010/07/28 11:25
S91	27440	heat adj transfer near10 (bead or rod or bar) and solar or photovoltaic	US-PGPUB; USPAT	OR	ON	2010/07/28 11:25
S92	413	heat adj transfer near10 (bead or rod or bar) and (solar or photovoltaic)	US-PGPUB; USPAT	OR	ON	2010/07/28 11:25

S93	38	heat adj transfer near10 (bead or rod or bar) and (solar adj cell or photovoltaic)	US-PGPUB; USPAT	OR	ON	2010/07/28 11:25
S94	1422	(solar adj cell or photovoltaic) and coolant	US-PGPUB; USPAT	OR	ON	2010/07/28 11:25
S95	506	S94 and heat adj transfer	US-PGPUB; USPAT	OR	ON	2010/07/28 11:25
S96	10	S94 and (heat adj transfer) same bead	US-PGPUB; USPAT	OR	ON	2010/07/28 11:25
S97	43	S94 and (heat adj transfer) near5 element	US-PGPUB; USPAT	OR	ON	2010/07/28 11:25
S98	3517	136/243-248.ccls.	US-PGPUB; USPAT	OR	OFF	2010/07/28 11:25
S99	0	S98 and porous same coolant	USPAT	OR	OFF	2010/07/28 11:25
S100	22	S98 and porous same (coolant or water)	USPAT	OR	OFF	2010/07/28 11:25
S101	1	"4126178".pn.	US-PGPUB; USPAT	OR	OFF	2010/07/28 11:25
S102	6	S98 and sintered near5 body	US-PGPUB; USPAT	OR	OFF	2010/07/28 11:25
S103	10	S98 and filter same coolant	US-PGPUB; USPAT	OR	OFF	2010/07/28 11:25
S104	1	S98 and sinter\$4 same coolant	US-PGPUB; USPAT	OR	OFF	2010/07/28 11:25
S105	1	"5,117,482".pn.	US-PGPUB; USPAT	OR	OFF	2010/07/28 11:25
S106	0	("3,356,539.pn.").PN.	US-PGPUB; USPAT	OR	OFF	2010/07/28 11:25
S107	0	("3,356,539.pn.").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/07/28 11:25
S108	2	("3356539").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/07/28 11:25
S109	3638	136/243-248.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/07/28 11:25
S110	207	S109 and sinter\$3	US-PGPUB; USPAT; USOCR	OR	OFF	2010/07/28 11:25

S111	692	porous near5 conductive near5 body	US-PGPUB; USPAT; USOCR	OR	OFF	2010/07/28 11:25
S112	46	S111 and solar	US-PGPUB; USPAT; USOCR	OR	OFF	2010/07/28 11:25
S113	15	S112 and sinter\$3	US-PGPUB; USPAT; USOCR	OR	OFF	2010/07/28 11:25
S114	47229	conductive near5 body	US-PGPUB; USPAT; USOCR	OR	OFF	2010/07/28 11:25
S115	2483	S114 same (porous of sinter\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2010/07/28 11:25
S116	2483	S114 same (porous or sinter\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2010/07/28 11:25
S117	20	S116 and solar adj cell	US-PGPUB; USPAT; USOCR	OR	OFF	2010/07/28 11:25
S118	591	S116 and (fluid or coolant)	US-PGPUB; USPAT; USOCR	OR	OFF	2010/07/28 11:25
S119	13	S118 and solar	US-PGPUB; USPAT; USOCR	OR	OFF	2010/07/28 11:25
S120	1	"4239557".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/07/28 11:25
S121	3517	136/243-248.ccls.	US-PGPUB; USPAT	OR	OFF	2010/07/28 11:25
S122	1	S121 and coolant and baffle	USPAT	OR	OFF	2010/07/28 11:25
S123	3	S121 and coolant and baffle	US-PGPUB; USPAT	OR	OFF	2010/07/28 11:25
S124	79	"136".clas. and (coolant or water) and baffle	US-PGPUB; USPAT	OR	ON	2010/07/28 11:25
S125	272	"136".clas. and heat adj exchang\$4 same (ball or element or rod)	US-PGPUB; USPAT	OR	ON	2010/07/28 11:25
S126	3517	136/243-248.ccls.	US-PGPUB; USPAT	OR	OFF	2010/07/28 11:25
S127	52	S126 and housing and coolant	US-PGPUB; USPAT	OR	OFF	2010/07/28 11:25

S128	1	"20070089775".pn.	US-PGPUB; USPAT	OR	OFF	2010/07/28 11:25
S129	80471	heat adj transfer same (fluid or water or coolant or liquid)	US-PGPUB; USPAT	OR	OFF	2010/07/28 11:25
S130	461	S129 and sinter\$3 near10 (rod bead ball element bar)	US-PGPUB; USPAT	OR	ON	2010/07/28 11:25
S131	24	S130 and packing adj density	US-PGPUB; USPAT	OR	ON	2010/07/28 11:25
S132	0	S130 and S128 near5 mm	US-PGPUB; USPAT	OR	ON	2010/07/28 11:25
S133	204	S130 and heat adj exchang\$3	US-PGPUB; USPAT	OR	ON	2010/07/28 11:25
S134	1	"3836689".pn.	USPAT	OR	OFF	2010/07/28 11:25
S135	39	constant adj surface adj level	USPAT	OR	OFF	2010/07/28 11:25

### EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S136	122	136/243.ccls.	USPAT; UPAD	OR	OFF	2010/07/28 11:26
S137	0	136/243-248.ccls. and (housing and coolant and (rod or bead or bar or ball)).clm.	USPAT; UPAD	OR	ON	2010/07/28 11:51
S138	26	136/243-248.ccls. and housing and coolant	USPAT; UPAD	OR	ON	2010/07/28 11:51

7/ 28/ 2010 1:17:02 PM

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